

### Abstract

Thin electrodes produced by thermal spray techniques are presented, wherein the thermal spray feedstock comprises an active material and a protective barrier coating. In a particularly advantageous feature, the active material feedstock is a metal sulfide, metal selenide, or metal telluride which ordinarily decomposes at thermal spray temperatures or which transforms to a material unsuitable for use as an electrode at thermal spray temperatures. The electrodes find particular utility in thermal batteries.

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